

JC928 U.S. PTO  
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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. MAE-CRC-02  
First Inventor Charles R. Cutler  
Title Method for removal of PID dynamics from MPC models  
Express Mail Label No. \*ET003348951US

PTO  
01/10/02

01/10/02

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
  - ☒ Applicant claims small entity status  
See 37 CFR 1.27
  - ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the invention
    - Cross Reference to Related Applications
    - Statement Regarding Fed sponsored R & D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets   - ☐ Oath or Declaration [Total Pages   - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- ☐ Application Data Sheet See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other: .....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

Prior application information Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

Name	Michael A. Ervin				
Address	8202 Talbot Cove				
City	Austin	State	Texas	Zip Code	78746-4935
Country	USA	Telephone	512-329-6085	Fax	512-329-6085

Name (Print/Type)	Michael A. Ervin	Registration No. (Attorney/Agent)	45,711
Signature	Michael A. Ervin	Date	01/03/2002

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$)**412****Complete if Known**

Application Number

Filing Date

First Named Inventor

**CHARLES R. CUTLER**

Examiner Name

Group Art Unit

Attorney Docket No

**MAE-CRC-02****METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit AccountDeposit  
Account  
Number  
Deposit  
Account  
Name

The Commissioner is authorized to (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 740	201 370	Utility filing fee	<b>370</b>
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$)**370****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
<b>17</b>	-20** = <b>0</b>	X <b>0</b>	= <b>0</b>
<b>4</b>	-3** = <b>1</b>	X <b>42</b>	= <b>42</b>
Multiple Dependent			

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$)**42**

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity | Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 400	216 200	Extension for reply within second month	
117 920	217 460	Extension for reply within third month	
118 1,440	218 720	Extension for reply within fourth month	
128 1,960	228 980	Extension for reply within fifth month	
119 320	219 160	Notice of Appeal	
120 320	220 160	Filing a brief in support of an appeal	
121 280	221 140	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,280	241 640	Petition to revive - unintentional	
142 1,280	242 640	Utility issue fee (or reissue)	
143 460	243 230	Design issue fee	
144 620	244 310	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 740	246 370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740	249 370	For each additional invention to be examined (37 CFR § 1.129(b))	
179 740	279 370	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Name (Print/Type)

**MICHAEL A. ERVIN**Registration No  
(Attorney/Agent)**45,711**

Complete (if applicable)

Telephone

**512-329-6085**

Signature

**Michael A. Ervin**

Date

**1/06/02****WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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**PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**January 6, 2002**

RE: The Application of Charles R. Cutler

Docket Number: MAE-CRC-02

Title: Method for Removal of PID Dynamics from MPC Models

**TRANSMITTAL OF APPLICATION**

Assistant Commissioner for Patents

Washington, DC 20231

Dear Sir:

Transmitted here for filing, as a regular application is the patent application for Charles R. Cutler for "Method for Removal of PID Dynamics from MPC Models"

The application elements filed herewith are indicated on the enclosed New Utility Patent Application Transmittal Form PTO/SB/05.

Applicant respectfully requests that the enclosed application be granted a filing date as of the date of Express Mailing. As indicated in the Declaration and Power of Attorney, Applicant also respectfully requests that the Official Filing Receipt and other correspondence from the Patent and Trademark Office relative to this application be mailed to the Registered Patent Agent for the Applicant at the following address:

Michael A. Ervin  
M. A. Ervin & Associates  
8202 Talbot Cove  
Austin, Texas 78746  
(512)-329-6085

Please also stamp and mail the enclosed self-addressed stamped postcard with the date of receipt and the serial number of this application, to evidence its receipt by the Patent and Trademark Office.

Please call the undersigned if there are any questions relative to this application.

Respectively submitted:

Michael A. Ervin

Michael A. Ervin  
Registered Patent Agent for Applicant  
Registry Number 45,711

M. A. Ervin & Associates  
8202 Talbot Cove  
Austin, Texas 78746  
(512) – 329-6085

CERTIFICATE OF MAILING 37 CFR 1.10

I certify that this correspondence is deposited, on the date set below, with the United States Postal Service as Express Mail under the mailing label set forth below, and addressed to:

Assistant Commissioner for Patents  
Washington, DC 20231

Michael A. Ervin

Michael A. Ervin  
Registry Number 45,711

Express Mail Number  
\*ET003348951US\*